![Oz Seals logo]

OZ PRO FLEX

Design Description

Oz Pro Flex is a polyurethane rubber. It has very good values for flexibility, tensile strength, elongation at break and tear strength. It also has a low compression set. Its excellent wear resistance, high elasticity, high dynamic resistance as well as low permeability are other advantages.

Oz Pro Flex is ideally used for seal energizers or piston seals that are one piece. It can also be used in many other applications.

Features

- Outstanding toughness & abrasion for high pressure applications
- Mineral oil compatibility is good
- Good resistance to ozone attack & weathering
- High performance polyurethane

Properties	Specified	Unit	Value
Hardness	DIN 53505	Shore A	85
Density	DIN 53479	g/cm³	1.2
Tensile strength	DIN 53504	N/mm²	48
Elongation at break	DIN 53504	%	420
Stress ratio 100%	DIN 53504	N/mm²	17
Stress ratio 300%	DIN 53504	N/mm²	38
Compression set 20 °C/24 h	DIN 53517	%	11
Compression set 70 °C/70h	DIN 53517	%	24
Tear strength	DIN 53515	N/mm	110
Elastic recovery	DIN 53512	%	26
Abrasion	DIN 53516	Mg loss	28
Minimum application temperature		°C	-50
Maximum application temperature		°C	120
Elongation at break after 2000h			420
Storage in distilled water at 95°C			420
Swell in water		%	0.3-0.4 n